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(re\$1calculat\$3 or re\$1evalut\$3) and L54	16

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<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L288</u>	(re\$1calculat\$3 or re\$1evalut\$3) and L54	16	<u>L288</u>
<u>L287</u>	5537593.pn.	2	<u>L287</u>
<u>L286</u>	L268 and L285	17	<u>L286</u>
<u>L285</u>	L236 and L283	149	<u>L285</u>
<u>L284</u>	L276 and L283	0	<u>L284</u>
<u>L283</u>	dependen\$3 near (change or updat\$3)	14310	<u>L283</u>
<u>L282</u>	base adj class and L276	6	<u>L282</u>
<u>L281</u>	application near state and L276	0	<u>L281</u>
<u>L280</u>	L147 and L276	0	<u>L280</u>
<u>L279</u>	((directed or dependen\$3) near graph) and L276	0	<u>L279</u>
<u>L278</u>	L268 and L276	13	<u>L278</u>
<u>L277</u>	L270 and L276	0	<u>L277</u>
<u>L276</u>	((invalidat\$3 or severing) near relationship)	196	<u>L276</u>

<u>L275</u>	L192 and L271	23	<u>L275</u>
<u>L274</u>	Q104and L271	805	<u>L274</u>
<u>L273</u>	L236 and L271	1	<u>L273</u>
<u>L272</u>	base adj class and L271	35	<u>L272</u>
<u>L271</u>	L268 and L270	805	<u>L271</u>
<u>L270</u>	((dynamic\$\$ or run\$1time or defer\$5) near (comput\$6 or calculat\$3 or evalut\$3))	9786	<u>L270</u>
<u>L269</u>	L265 and L268	17	<u>L269</u>
<u>L268</u>	L166 or L215 or L267	84717	<u>L268</u>
<u>L267</u>	(707/102).ccls.	4848	<u>L267</u>
<u>L266</u>	(719/316 719/317).ccls.	771	<u>L266</u>
<u>L265</u>	(((\$3queue\$3 near (lea\$3 or child or dependent)) with (object or value or attribute or field))	181	<u>L265</u>
<u>L264</u>	((re\$1comput\$5 or re\$1calculat\$3) with ((invalid\$3 or dirty) near (object or value or attribute or field)))	4	<u>L264</u>
<u>L263</u>	((re\$1comput\$5 or re\$1calculat\$3) near (object or value or attribute or field)) with ((invalid\$3 or dirty) near (object or value or attribute or field)))	3	<u>L263</u>
<u>L262</u>	L240 and L261	34	<u>L262</u>
<u>L261</u>	directed near graph and base adj class	106	<u>L261</u>
<u>L260</u>	directed near graph and L258	0	<u>L260</u>
<u>L259</u>	dependen\$3 near graph and L258	0	<u>L259</u>
<u>L258</u>	base adj class and L147	87	<u>L258</u>
<u>L257</u>	base adj class and L236	22	<u>L257</u>
<u>L256</u>	base adj class and L198	54	<u>L256</u>
<u>L255</u>	base adj class with consisten\$3	31	<u>L255</u>
<i>DB=USPT; PLUR=YES; OP=OR</i>			
<u>L254</u>	'5651105'.pn.	1	<u>L254</u>
<u>L253</u>	'5808625'.pn.	1	<u>L253</u>
<u>L252</u>	'5651105'.pn.	1	<u>L252</u>
<u>L251</u>	'5651105'.pn.	1	<u>L251</u>
<u>L250</u>	'5808625'.pn.	1	<u>L250</u>
<u>L249</u>	'5920725'.pn.	1	<u>L249</u>
<u>L248</u>	'6014673'.pn.	1	<u>L248</u>
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L247</u>	L246 and (dag or directed near graph)	22	<u>L247</u>
<u>L246</u>	L240 and L245	348	<u>L246</u>
<u>L245</u>	object near dependen\$3	2900	<u>L245</u>
<u>L244</u>	L206 and L243	30	<u>L244</u>
<u>L243</u>	((re\$1comput\$5 or re\$1calculat\$3) near (object or value or attribute or field))	2944	<u>L243</u>
<u>L242</u>	L240 and L241	19	<u>L242</u>
<u>L241</u>	((object near changes) near ((severing or invalidat\$3 or remov\$3 or delet\$3	94	<u>L241</u>

	or eliminat\$3)))	
<u>L240</u>	L215 or L239	82498 <u>L240</u>
<u>L239</u>	(717/104 717/105 717/106 717/107 717/108 717/109 717/110 717/111 717/112 717/113).ccls.	2445 <u>L239</u>
<u>L238</u>	((object near changes) with ((severing or invalidat\$3 or remov\$3 or delet\$3 or eliminat\$3) near dependen\$3))	0 <u>L238</u>
<u>L237</u>	L232 and L236	31 <u>L237</u>
<u>L236</u>	((severing or invalidat\$3 or remov\$3 or delet\$3 or eliminat\$3) near dependen\$3)	5314 <u>L236</u>
<u>L235</u>	L198 and L232	5 <u>L235</u>
<u>L234</u>	L198 and L233	0 <u>L234</u>
<u>L233</u>	L147 and L232	1 <u>L233</u>
<u>L232</u>	((manag\$6 or maintain\$6) near dependen\$2)	1403 <u>L232</u>
	<i>DB=USPT; PLUR=YES; OP=OR</i>	
<u>L231</u>	'5999179'.pn.	1 <u>L231</u>
<u>L230</u>	'6016147'.pn.	1 <u>L230</u>
<u>L229</u>	'6025841'.pn.	1 <u>L229</u>
<u>L228</u>	'6040839'.pn.	1 <u>L228</u>
<u>L227</u>	'6067572'.pn.	1 <u>L227</u>
<u>L226</u>	'6078329'.pn.	1 <u>L226</u>
<u>L225</u>	'6144385'.pn.	1 <u>L225</u>
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>	
<u>L224</u>	L215 and L220	7 <u>L224</u>
<u>L223</u>	L155 and L220	0 <u>L223</u>
<u>L222</u>	L147 and L220	0 <u>L222</u>
<u>L221</u>	L170 and L220	6 <u>L221</u>
<u>L220</u>	((re\$1comput\$5 or re\$1calculat\$3) near ((lea\$5 or dependent or child)))	130 <u>L220</u>
<u>L219</u>	((re\$1comput\$5 or re\$1calculat\$3) near ((lea\$5 or dependent or child) near (object or value or attribute or field)))	5 <u>L219</u>
<u>L218</u>	dependen\$3 near (buffer or queue or list) with (dag or directed near graph or graph)	25 <u>L218</u>
<u>L217</u>	dependen\$3 near list with (dag or directed near graph or graph)	23 <u>L217</u>
<u>L216</u>	L212 and L215	5 <u>L216</u>
<u>L215</u>	L213 or L214	80426 <u>L215</u>
<u>L214</u>	345/???.ccls.	56468 <u>L214</u>
<u>L213</u>	715/???.ccls.	27703 <u>L213</u>
<u>L212</u>	(dag or graph) and L211	172 <u>L212</u>
<u>L211</u>	dependen\$3 near consisten\$3	630 <u>L211</u>
<u>L210</u>	L155 and L206	27 <u>L210</u>
<u>L209</u>	L147 and L206	1 <u>L209</u>
<u>L208</u>	Q59and L206	7043 <u>L208</u>
<u>L207</u>	L198 and L206	10 <u>L207</u>

<u>L206</u>	dependen\$3 with consisten\$3	7043	<u>L206</u>
<u>L205</u>	dependen\$3 near state with consisten\$3	25	<u>L205</u>
<u>L204</u>	L192 and L203	17	<u>L204</u>
<u>L203</u>	L191 and L202	169	<u>L203</u>
<u>L202</u>	(re\$1comput\$6 or re\$1calculat\$3)	42961	<u>L202</u>
<u>L201</u>	((quer\$3 or request\$3) near (object and value))	881	<u>L201</u>
<u>L200</u>	"not" near (re\$1comput\$6 or re\$1calculat\$3)	0	<u>L200</u>
<u>L199</u>	L197 and L198	10	<u>L199</u>
<u>L198</u>	((severing or invalidat\$3) near (dependen\$3 or object))	589	<u>L198</u>
<u>L197</u>	re\$1calculat\$3 near (object or value or dependen\$3)	2139	<u>L197</u>
<u>L196</u>	re\$1comput\$5 and L195	8	<u>L196</u>
<u>L195</u>	L192 and L194	122	<u>L195</u>
<u>L194</u>	((sever\$3 or invalidat\$3) near (dependen\$3 or object))	39774	<u>L194</u>
<u>L193</u>	L190 and L192	17	<u>L193</u>
<u>L192</u>	(dag or directed near graph)	9435	<u>L192</u>
<u>L191</u>	graph and L190	169	<u>L191</u>
<u>L190</u>	re\$1comput\$6 near value	601	<u>L190</u>
<u>L189</u>	graph and L188	48	<u>L189</u>
<u>L188</u>	re\$1comput\$6 near object	93	<u>L188</u>
<u>L187</u>	re\$1comput\$6 and L172	43	<u>L187</u>
<i>DB=USPT; PLUR=YES; OP=OR</i>			
<u>L186</u>	US-6499037-B1.did.	1	<u>L186</u>
<u>L185</u>	'5802322'.pn.	1	<u>L185</u>
<u>L184</u>	'5802322'.pn.	1	<u>L184</u>
<u>L183</u>	US-6499037-B1.did.	1	<u>L183</u>
<u>L182</u>	'5999931'.pn.	1	<u>L182</u>
<u>L181</u>	'5999931'.pn.	1	<u>L181</u>
<u>L180</u>	US-6499037-B1.did.	1	<u>L180</u>
<u>L179</u>	'6031548'.pn.	1	<u>L179</u>
<u>L178</u>	'6031548'.pn.	1	<u>L178</u>
<u>L177</u>	'6298228'.pn.	1	<u>L177</u>
<u>L176</u>	US-6499037-B1.did.	1	<u>L176</u>
<u>L175</u>	US-6499037-B1.did.	1	<u>L175</u>
<u>L174</u>	US-6499037-B1.did.	1	<u>L174</u>
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L173</u>	laz\$3 near updat\$3	85	<u>L173</u>
<u>L172</u>	(dirt\$3 near (dependen\$3 or object or leaf))	1825	<u>L172</u>
<u>L171</u>	L169 and L170	29	<u>L171</u>
<u>L170</u>	(dag or dependen\$3 near graph or directed near graph)	10987	<u>L170</u>
<u>L169</u>	invalidat\$3 near (object or values)	638	<u>L169</u>
<i>DB=USPT; PLUR=YES; OP=OR</i>			

<u>L168</u> US-5606702-A.did.	1	<u>L168</u>
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>		
<u>L167</u> ((dag or dependen\$3 near graph or directed near graph) near (gui or user near interface))	4	<u>L167</u>
<u>L166</u> (dag or graph) and L164	77	<u>L166</u>
<u>L165</u> L147 and L164	0	<u>L165</u>
<u>L164</u> (object near (changes or updat\$3) with dependen\$3)	230	<u>L164</u>
<u>L163</u> (travers\$3 near (dependen\$3 or graph) with (queue or list or buffer))	48	<u>L163</u>
<u>L162</u> ((\$3comput\$6 or \$3calculat\$4) near (dependen\$3 near graph))	61	<u>L162</u>
<u>L161</u> ((creat\$3 near transaction) with (register\$6 near (updat\$3 or changes)))	1	<u>L161</u>
<u>L160</u> ((creat\$3 near transaction) with (register\$6 near changes))	1	<u>L160</u>
<u>L159</u> L147 and L158	6	<u>L159</u>
<u>L158</u> dependen\$3 near list	832	<u>L158</u>
<u>L157</u> L147 and L155	2	<u>L157</u>
<u>L156</u> L153 and L155	7	<u>L156</u>
<u>L155</u> ((defer\$3 or run\$1time or dynamic\$4) near dependen\$3)	1608	<u>L155</u>
<u>L154</u> L150 and L153	1	<u>L154</u>
<u>L153</u> new near dependen\$3	627	<u>L153</u>
<u>L152</u> (tree or graph) and L150	59	<u>L152</u>
<u>L151</u> graph and L150	42	<u>L151</u>
<u>L150</u> ((defer\$3 or run\$1time or dynamic\$4) near (comput\$6 or calculat\$3) with dependen\$3)	107	<u>L150</u>
<u>L149</u> dependen\$3 and L148	104	<u>L149</u>
<u>L148</u> (dag or graph) and L147	180	<u>L148</u>
<u>L147</u> ((updat\$3 or chang\$3) near (gui or graphical near interface))	1134	<u>L147</u>
<u>L146</u> ((dynamic\$4 or run\$1time) near dependen\$3) and L145	15	<u>L146</u>
<u>L145</u> ((\$3valid\$3 or dirty) near (object or value or attribute or field)) and ((chang\$3 or updat\$3) near (object or value or attribute or field))	5855	<u>L145</u>
<u>L144</u> L131 and L142	8	<u>L144</u>
<u>L143</u> ((dynamic\$4 or run\$1time) near dependen\$3) and L142	8	<u>L143</u>
<u>L142</u> (invalid\$3 or dirty) near (flag or indicat\$3 or bit)	9171	<u>L142</u>
<u>L141</u> L135 and L139	9	<u>L141</u>
<u>L140</u> ((dynamic\$4 or run\$1time) near dependen\$3) and L139	28	<u>L140</u>
<u>L139</u> ((\$3valid\$3 or dirty) near (object or value or attribute or field))	18416	<u>L139</u>
<u>L138</u> L125 and L135	6	<u>L138</u>
<u>L137</u> (tree or graph) and L135	51	<u>L137</u>
<u>L136</u> graph and L135	39	<u>L136</u>
<u>L135</u> application near state with dependen\$3	170	<u>L135</u>
<u>L134</u> invalidat\$3 near dependen\$3	53	<u>L134</u>
<u>L133</u> severing near dependen\$3	8	<u>L133</u>
<u>L132</u> L124 and L131	0	<u>L132</u>
<u>L131</u> updat\$3 near (gui or interface near graphical)	540	<u>L131</u>

<u>L130</u>	(quer\$3 near (value or attribute or field)) near (\$3comput\$6 or \$3calculat\$3)	22	<u>L130</u>
<u>L129</u>	("not" near (\$3comput\$6 or \$3calculat\$3 or evalut\$3))	12	<u>L129</u>
<u>L128</u>	("not" near (\$3comput\$6 or \$3calculat\$3))	12	<u>L128</u>
<u>L127</u>	base adj class and L124	6	<u>L127</u>
<u>L126</u>	L124 and L125	6	<u>L126</u>
<u>L125</u>	(dependen\$3 near (graph or manag\$6 or maintain\$5 or list or buffer or queue or tree or hierarch\$3))	5591	<u>L125</u>
<u>L124</u>	(quer\$3 near (value or attribute or field)) with (\$3comput\$6 or \$3calculat\$3)	357	<u>L124</u>
<u>L123</u>	L95 and L122	42	<u>L123</u>
<u>L122</u>	regist\$7 near (modifi\$7 or chang\$3)	16869	<u>L122</u>
<u>L121</u>	dirty\$3 near dependent	2	<u>L121</u>
<u>L120</u>	L98 and L119	37	<u>L120</u>
<u>L119</u>	L96 and L117	348	<u>L119</u>
<u>L118</u>	L95 and L117	15	<u>L118</u>
<u>L117</u>	register\$6 with transaction	12957	<u>L117</u>
<u>L116</u>	L95 and L115	3	<u>L116</u>
<u>L115</u>	register\$6 near transaction	1876	<u>L115</u>
<u>L114</u>	L99 and L113	7	<u>L114</u>
<u>L113</u>	dependen\$2 with dirty	153	<u>L113</u>
<u>L112</u>	dependen\$2 near dirty	4	<u>L112</u>
<u>L111</u>	(comput\$6 or calculat\$3) near dependen\$2 near (dynamic\$4 or runtime or automatic\$4)	34	<u>L111</u>
<u>L110</u>	(recomput\$6 or recalculat\$3) and L109	20	<u>L110</u>
<u>L109</u>	L95 and L99	112	<u>L109</u>
<u>L108</u>	strokes and L95	10	<u>L108</u>
<u>L107</u>	L95 and L106	5	<u>L107</u>
<u>L106</u>	(invalidat\$3 or sever\$3 or destroy\$3) with (dependen\$2 or child or leaf) near object	144	<u>L106</u>
<u>L105</u>	L95 and L103	4	<u>L105</u>
<u>L104</u>	(recomput\$6 or recalculat\$3) and L103	8	<u>L104</u>
<u>L103</u>	invalidat\$3 near (dependen\$2 or child or leaf)	83	<u>L103</u>
<i>DB=USPT; PLUR=YES; OP=OR</i>			
<u>L102</u>	'5251290'.pn.	1	<u>L102</u>
<u>L101</u>	'5251290'.pn.	1	<u>L101</u>
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L100</u>	L97 and L99	16	<u>L100</u>
<u>L99</u>	object near (modif\$6 or changes)	25359	<u>L99</u>
<u>L98</u>	object near changes	14775	<u>L98</u>
<u>L97</u>	L95 and L96	93	<u>L97</u>
<u>L96</u>	\$2valid\$6 and (recomput\$6 or recalculat\$3)	12403	<u>L96</u>
<u>L95</u>	dependen\$2 near graph	1844	<u>L95</u>
<u>L94</u>	strokes with dependen\$2 near graph	0	<u>L94</u>

<u>L93</u>	(dependent or child or leaf) adj object with (valid or invalid\$5 or dirty)	52	<u>L93</u>
<u>L92</u>	(dependent or child or leaf) adj object with (valid or invalid\$5)	40	<u>L92</u>
<u>L91</u>	invalidat\$3 near (recomput\$6 or recalculat\$3)	23	<u>L91</u>
<u>L90</u>	(recomput\$6 or recalculat\$3) and L89	13	<u>L90</u>
<u>L89</u>	value near object near changes	132	<u>L89</u>
<u>L88</u>	@pd<19990416 and L87	62	<u>L88</u>
<u>L87</u>	(re\$1comput\$3 or re\$1evalutat\$3 or re\$1calculat\$3) near (state or tree or graph or dag or dependency)	290	<u>L87</u>
<u>L86</u>	(tree or graph or dag or dependency) and L85	58	<u>L86</u>
<u>L85</u>	@pd<19990416 and L84	265	<u>L85</u>
<u>L84</u>	dependen\$2 near (consisten\$2 or synchroniz\$4)	683	<u>L84</u>
<u>L83</u>	@pd<19990416 and L82	98	<u>L83</u>
<u>L82</u>	(re\$1comput\$3 or re\$1evalutat\$3 or re\$1calculat\$3) and L81	536	<u>L82</u>
<u>L81</u>	sever\$3 near (object or tree or graph or dag or dependency)	37674	<u>L81</u>
<u>L80</u>	L75 AND L79	26	<u>L80</u>
<u>L79</u>	(tree or graph or dag) NEAR dependency	1428	<u>L79</u>
<u>L78</u>	L75 and L57	0	<u>L78</u>
<u>L77</u>	L75 and L76	0	<u>L77</u>
<u>L76</u>	\$3validat\$3 near object	1149	<u>L76</u>
<u>L75</u>	(tree or graph or dag or dependency) and L74	181	<u>L75</u>
<u>L74</u>	dependency with (re\$1comput\$3 or re\$1evalutat\$3 or re\$1calculat\$3)	181	<u>L74</u>
<u>L73</u>	dependency near object with (re\$1comput\$3 or re\$1evalutat\$3 or re\$1calculat\$3)	1	<u>L73</u>
<u>L72</u>	L57 and L69	9	<u>L72</u>
<u>L71</u>	L69 and L70	1	<u>L71</u>
<u>L70</u>	validat\$3 near object	870	<u>L70</u>
<u>L69</u>	(comput\$3 or evalutat\$3 or calculat\$3) near (method) with (tree or graph or dag or dependency)	1715	<u>L69</u>
<u>L68</u>	(tree or graph or dag or dependency) and L67	16	<u>L68</u>
<u>L67</u>	object near inconsistency	50	<u>L67</u>
<u>L66</u>	(tree or graph or dag or dependency) and L64	113	<u>L66</u>
<u>L65</u>	(tree or graph or dag) and L64	89	<u>L65</u>
<u>L64</u>	invalidat\$3 near object	303	<u>L64</u>
<u>L63</u>	change near value with (dependen\$2 near object)	5	<u>L63</u>
<u>L62</u>	re\$draw\$3 near dependen\$2	4	<u>L62</u>
<u>L61</u>	calculat\$3 near dependen\$3 with (runtime or dynamic\$4)	27	<u>L61</u>
<u>L60</u>	invalidat\$3 near object with change	13	<u>L60</u>
<u>L59</u>	invalidat\$3 near object with change near value	0	<u>L59</u>
<u>L58</u>	@pd<19990416 and L57	49	<u>L58</u>
<u>L57</u>	invalidat\$3 near (tree or graph or dag or leaf or object)	328	<u>L57</u>
<u>L56</u>	L54 and (model near view near control or mvc)	1	<u>L56</u>
<u>L55</u>	L54 and (345/???or 715/???).ccls.	25	<u>L55</u>

<u>L54</u>	dependen\$2 with ((application or program) near (state or object))	512	<u>L54</u>
<u>L53</u>	L52 and (345/???or 715/???).ccls.	15	<u>L53</u>
<u>L52</u>	manag\$7 near dependen\$2 with (application or program or state or object)	140	<u>L52</u>
<u>L51</u>	(model near view near controller or mvc) and (345/???or 715/???).ccls.	209	<u>L51</u>
<u>L50</u>	(model near view near control or mvc) and (345/???or 715/???).ccls.	157	<u>L50</u>
<u>L49</u>	(re\$1build\$3 or re\$1comput\$5 or re\$1evaluat\$3) with (dependen\$2 near object)	13	<u>L49</u>
<u>L48</u>	quer\$3 near value near object	46	<u>L48</u>
<u>L47</u>	L46 and (dependen\$2 near object)	19	<u>L47</u>
<u>L46</u>	(object near value near (updat\$3 or modif\$6 or alter\$3 or change))	250	<u>L46</u>
<u>L45</u>	(dag or directed near graph or dependen\$3 near object) with (commit or transaction)	95	<u>L45</u>
<u>L44</u>	(register\$6 near (updat\$3 or modif\$6 or alter\$3 or change)) with transaction	143	<u>L44</u>
<u>L43</u>	object near (updat\$3 or modif\$6 or alter\$3 or change)	30997	<u>L43</u>
<u>L42</u>	@pd<19990416 and L41	27	<u>L42</u>
<u>L41</u>	laz\$3 and ((dag or ((directed or acyclic\$4) near graph)) or (dependen\$2 near object))	403	<u>L41</u>
<u>L40</u>	laz\$3 near (re\$1build\$3 or re\$1comput\$5 or re\$1evaluat\$3)	5	<u>L40</u>
<u>L39</u>	(re\$1build\$3 or re\$1comput\$5 or re\$1evaluat\$3) and L38	53	<u>L39</u>
<u>L38</u>	(laz\$3 or dirty) near object	337	<u>L38</u>
<u>L37</u>	object near (updat\$3 or modif\$6 or alter\$3 or change) with (re\$1build\$3 or re\$1comput\$5 or re\$1evaluat\$3)	85	<u>L37</u>
<u>L36</u>	L34 and L35	16	<u>L36</u>
<u>L35</u>	(re\$1build\$3 or re\$1comput\$5 or re\$1evaluat\$3) near (graph or dag or dependen\$3 or object or tree or nodes)	588	<u>L35</u>
<u>L34</u>	object near (updat\$3 or modif\$6 or alter\$3 or change) with (dag or graph or dependen\$2)	443	<u>L34</u>
<u>L33</u>	object near changes with (dag or graph or dependen\$2)	246	<u>L33</u>
<u>L32</u>	object near changes with (graph or dependen\$2)	246	<u>L32</u>
<u>L31</u>	value near object near changes with (graph or dependen\$2)	3	<u>L31</u>
<u>L30</u>	(re\$1build\$3 or re\$1comput\$5 or re\$1evaluat\$3) near (dependen\$2)	91	<u>L30</u>
<u>L29</u>	(re\$1build\$3 or re\$1comput\$5 or re\$1evaluat\$3) near (dependen\$2 near object)	7	<u>L29</u>
<u>L28</u>	(L20 or L22) and L27	55	<u>L28</u>
<u>L27</u>	(re\$1build\$3 or re\$1comput\$5 or re\$1evaluat\$3) near (object or tree or nodes)	460	<u>L27</u>
<u>L26</u>	(re\$1build\$3 or re\$1comput\$5 or re\$1evaluat\$3) near graph	46	<u>L26</u>
<u>L25</u>	(re\$1build\$3 or re\$1comput\$5 or re\$1evaluat\$3) with (dag or ((directed or acyclic\$4) near graph))	14	<u>L25</u>
<u>L24</u>	(re\$1build\$3 or re\$1comput\$5 or re\$1evaluat\$3) near (dag or ((directed or acyclic\$4) near graph))	4	<u>L24</u>
<u>L23</u>	L20 and L22	15	<u>L23</u>
<u>L22</u>	consisten\$2 near object	1822	<u>L22</u>

<u>L21</u>	consiisten\$2 near object	0	<u>L21</u>
<u>L20</u>	(dag or ((directed or acyclic\$4) near graph))	10391	<u>L20</u>
<u>L19</u>	6026413.pn.	2	<u>L19</u>
<u>L18</u>	L16 and L17	72	<u>L18</u>
<u>L17</u>	(re\$1calculat\$3 or re\$1comput\$5 or re\$1evaluat\$3 or re\$1build\$3)	66977	<u>L17</u>
<u>L16</u>	L14 and L15	355	<u>L16</u>
<u>L15</u>	object near (value or (updat\$3 or modif\$3 or alter\$3 or chang\$3))	46921	<u>L15</u>
<u>L14</u>	invalid\$6 near (object or (dependen\$2 near (graph or object)))	746	<u>L14</u>
<u>L13</u>	travers\$3 near dependen\$2 near graph	24	<u>L13</u>
<u>L12</u>	travers\$3 near graph with (dirty\$3 or invalid\$5)	11	<u>L12</u>
<u>L11</u>	travers\$3 near graph with ((dirty\$3 or invalid\$5) near object)	0	<u>L11</u>
<u>L10</u>	synchroniz\$4 with object near values	51	<u>L10</u>
<u>L9</u>	synchroniz\$4 with quer\$5 near object near values	0	<u>L9</u>
<u>L8</u>	((leaf or edge or vertice) near object) with (gui or user adj interface)	36	<u>L8</u>
<u>L7</u>	(dependen\$2 near (object or graph)) with ((program or application) near state)	1	<u>L7</u>
<u>L6</u>	((detach\$4 or remov\$3) near object) with (graph or tree or dag)	138	<u>L6</u>
<u>L5</u>	invalid\$7 near ((detach\$4 or remov\$3) near object) with (graph or tree or dag)	0	<u>L5</u>
<u>L4</u>	transaction and L3	52	<u>L4</u>
<u>L3</u>	L1 and L2	144	<u>L3</u>
<u>L2</u>	object near (value or (updat\$3 or modif\$3 or alter\$3 or chang\$3)) with (invalid\$5 or re\$1comput\$5 or re\$1evaluat\$3 or re\$1build\$3)	307	<u>L2</u>
<u>L1</u>	(dependen\$ or directed) with (graph or object)	144964	<u>L1</u>

END OF SEARCH HISTORY